

What is claimed is:

1. An optical disc apparatus comprising:

a guide shaft attached to a chassis;

a base body being guided by a guide shaft to reciprocally move along a radial direction of a disc, the base body having a screw hole positioned away from the guide shaft;

a lens holding member mounted on the base body and having an objective lens that opposes to a surface of the disc;

an adjusting screw made of synthetic resin and having a male screw and a slidable portion concentrically formed by an annular groove portion; and

a rail portion fitting with the slidable portion and provided in the chassis in parallel to the guide shaft,

wherein the base body swings around an axis line of the guide shaft to perform adjustment of an inclination angle of the objective lens when the adjusting screw being screwed into the screw hole is rotated,

the male screw of the adjusting screw is divided into two half sections along a peripheral direction thereof in a manner that a screw thread as one side section and a screw thread as the other side section are slightly deviated positionally to each other in an axial line direction, a tip angle of the screw thread is made smaller than an open angle between two slanted surfaces which couple a valley bottom portion of a female screw of the screw hole with adjacent tip portions

of the female screw, and

a tip portion of the screw thread of the one side section elastically presses against one slanted surface of the two slanted surfaces and a tip portion of the screw thread of the other side section elastically presses against the other slanted surface of the two slanted surfaces.

2. An optical disc apparatus comprising:

a base body reciprocally movable along a radial direction of a disc, the base body having a screw hole;

a lens holding member mounted on the base body and having an objective lens that opposes to a surface of the disc; and
an adjusting screw having a male screw,

wherein the base body swings around an axis line of the guide shaft to perform adjustment of an inclination angle of the objective lens when the adjusting screw being screwed into the screw hole is rotated,

the male screw of the adjusting screw is divided into two sections along a peripheral direction thereof in a manner that a screw thread as one side section and a screw thread as the other side section are slightly deviated positionally to each other in an axial line direction, and

a tip portion of the screw thread of the one side section elastically presses against one slanted surface of two slanted surfaces, which couple a valley bottom portion of a female

screw of the screw hole with adjacent tip portions of the female screw, and a tip portion of the screw thread of the other side section elastically presses against the other slanted surface of the two slanted surfaces.

3. The optical disc apparatus according to claim 2, wherein each of screw threads of the adjusting screw is divided into two half sections along a peripheral direction thereof.

4. The optical disc apparatus according to claim 2, wherein the adjusting screw is formed by synthetic resin molding.

5. The optical disc apparatus according to claim 4, wherein a tip angle of the screw thread of the male screw of the adjusting screw is made smaller than an open angle between the two slanted surfaces, and a tip portion of the screw thread of the one side section elastically presses against one slanted surface of the two slanted surfaces and a tip portion of the screw thread of the other side section elastically presses against the other slanted surface of the two slanted surfaces.

6. The optical disc apparatus according to claim 4, wherein a receiving surface formed by a cylindrical surface is provided at a portion adjacent to the screw hole, and a plurality of projections are disposed at plural portions adjacent

to the male screw of the adjusting screw along a peripheral direction thereof so that the projections elastically press against the receiving surface to prevent rotation of the adjusting screw.

7. The optical disc apparatus according to claim 2, wherein the base body is attached to a guide shaft in a relatively slidable and rotatable manner, the guide shaft being attached to a chassis for guiding reciprocal movements of the base body, the screw hole is positioned away from the guide shaft, and

a slidable portion is provided on the adjusting screw in a manner that the slidable portion is supported so as to be slidable by a rail portion which is provided in the chassis in parallel to the guide shaft.